

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

001

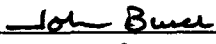
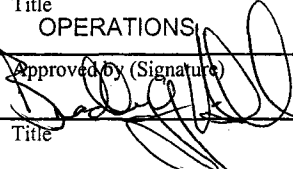
## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		<b>CONFIDENTIAL</b>	5. Lease Serial No. UTU-28652
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator SHENANDOAH ENERGY INC.		Contact: JOHN BUSCH E-Mail: jbusch@shenandoahenergy.com	7. If Unit or CA Agreement, Name and No. N/A
3a. Address 11002 E. 17500 S. VERNAL, UT 84078		3b. Phone No. (include area code) Ph: 435.781.4341 Fx: 435.781.4323	8. Lease Name and Well No. OU WIH 2W-21-8-22
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNE 724FNL 2083FEL At proposed prod. zone		4441385 Y 40,11419 632784 X -109,44189	9. API Well No. 43-047-34687
14. Distance in miles and direction from nearest town or post office* 17 +/- MILES FROM OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 724' +/-		16. No. of Acres in Lease 1920.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T8S R22E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2000' +/-		19. Proposed Depth 7625 MD 7625 TVD	12. County or Parish UINTAH
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4878 KB		22. Approximate date work will start	13. State UT
			17. Spacing Unit dedicated to this well 40.00
			20. BLM/BIA Bond No. on file U-0969
			23. Estimated duration 10 DAYS

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) JOHN BUSCH	Date 07/31/2002
Title OPERATIONS		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-08-02
Title	Office RECLAMATION SPECIALIST III	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #13148 verified by the BLM Well Information System  
For SHENANDOAH ENERGY INC., sent to the Vernal**RECEIVED**

AUG 05 2002

DIVISION OF  
OIL, GAS AND MINING

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

T8S, R22E, S.L.B.&M.

SHENANDOAH ENERGY, INC.

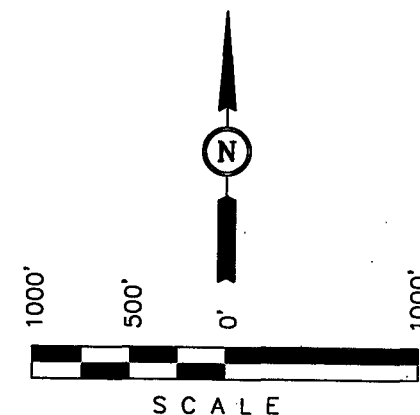
Well location, OU WH #2W-21-8-22, located as shown in the NW 1/4 NE 1/4 of Section 21, T8S, R22E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert J. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

(NAD 83)  
LATITUDE = 40°06'50.86" (40.114128)  
LONGITUDE = 109°26'33.87" (109.442742)

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-02-02	DATE DRAWN: 07-09-02
PARTY D.A. J.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE SHENANDOAH ENERGY, INC.	

SHENANDOAH ENERGY INC.  
OU GB 2W-21-8-22

ONSHORE OIL & GAS ORDER NO. 1  
Approval of Operations on Onshore  
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<b>Formation</b>	<b>Depth</b>
Uinta	Surface
Green River	2424
Mahogany Ledge	3284
Mesa	5754
TD (Wasatch)	7625

2. Anticipated Depths of Oil, Gas, Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

<b>Substance</b>	<b>Formation</b>	<b>Depth</b>
Oil/Gas	Wasatch	7625

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

3. Anticipated Bottom Hole Pressures

Maximum anticipated bottom hole pressure equals approximately 3050.0 psi.

*West Glen House*

SHENANDOAH ENERGY INC.  
OVER AND UNDER ~~GLEN BENCH~~ 2W-21-8-22  
724' FNL, 2083' FEL  
NWNE, SECTION 21, T8S, R22E  
UINTAH COUNTY, UTAH  
LEASE # UTU-28652

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the OU GB 2W-21-8-22 on July 30, 2002 at approximately 7:30 AM. Weather conditions were cool and sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Byron Tolman	Bureau of Land Management
Dixie Sadleir	Bureau of Land Management
Stephanie Howard	Bureau of Land Management
Raleen Searle	Shenandoah Energy Inc.
Jan Nelson	Shenandoah Energy Inc.

1. Existing Roads:

The proposed well site is approximately 17 miles from Ouray, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

There will be no improvements made to existing access roads.

2. Planned Access Roads:

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map B for the location of the proposed access road.

3. Location of Existing Wells Within a 1 – Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map D for the location of the proposed pipeline.

5. Location and Type of Water Supply:

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

6. Source of Construction Materials:

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

7. Methods of Handling Waste Materials:

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

8. **Ancillary Facilities:**

Please see Shenandoah Energy Inc. Standard Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A felt pit liner with plastic will be required if rocks are discovered.

10. **Plans for Reclamation of the Surface:**

Please see Shenandoah energy Inc. Standard Operating Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Township 07 and 08 South, Ranges 21 to 24 East.

Seed Mix #4.

Fourwing saltbush	A triplex canescens	3lbs/acre
Indian ricegrass	Oryzopsis hymenoides	3lbs/acre
Globe mallow	Sphaeralcea coccinea or munroana	
(scarlet or munroe)	Munroana	3lbs/acre
Gardner saltbush	A triplex garneri	3lbs/acre

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078  
(435) 781-4400

12. **Other Information**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

There is a Ferruginous Hawk Stipulation from March 1st to July 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

At the time of reclamation of the reserve pit, a diversion structure will be created with a ditch to divert the water around the location out of culverts.

2-18" culverts or

1-24" culvert

At the other end of the location a diversion dam will be constructed. Dirt contractor will need to contact Byron Tolman with the BLM prior to construction.

**Lessee's or Operator's Representative:**

John Busch  
Red Wash Operations Rep.  
Shenandoah Energy Inc.  
11002 East 17500 South  
Vernal, Utah 84078  
(435) 781-4341

**Certification:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Shenandoah Energy Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

John Busch  
John Busch  
Red Wash Operations Representative

31-Jul-02  
Date

**Additional Operator Remarks:**

Shenandoah Energy Inc. proposes to drill a well to 7625' to test the Wasatch. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Shenandoah Energy Inc. Standard Operating Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 and 24 East.

See Onshore Order No. 1 attached

Please be advised that Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. U-0969. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.

# SHENANDOAH ENERGY, INC.

**OU WIH #2W-21-8-22**

LOCATED IN UTAH COUNTY, UTAH  
SECTION 21, T8S, R22E, S.L.B.&M.

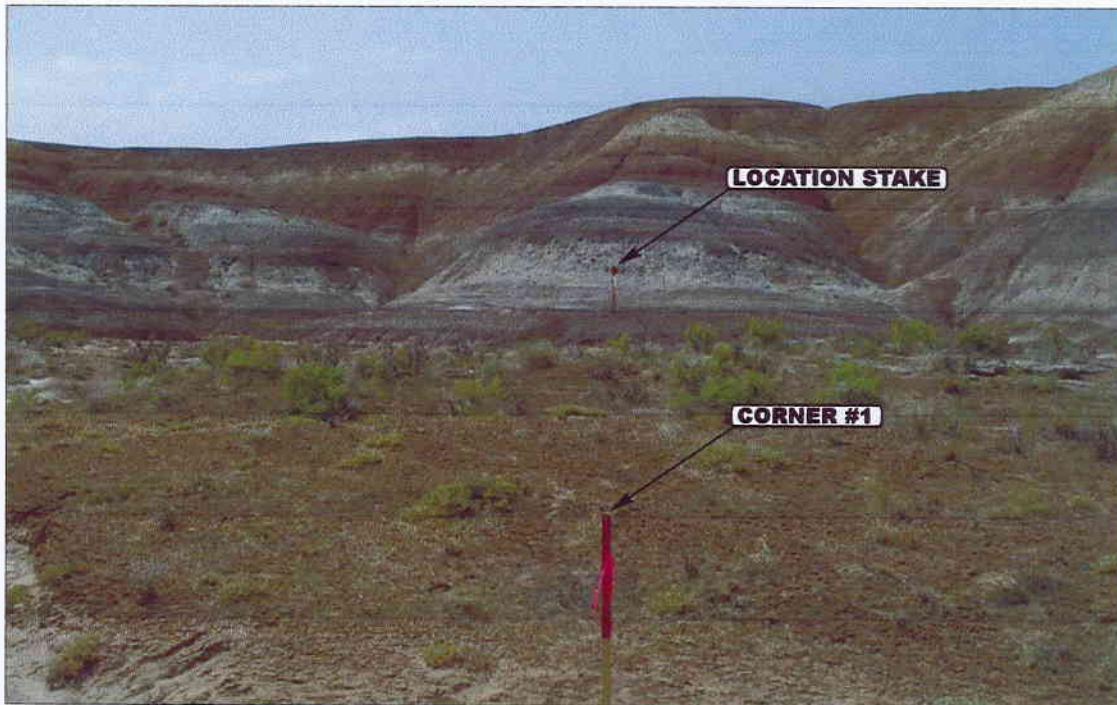


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**7** **8** **02**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: D.A. DRAWN BY: P.M. REVISED: 00-00-00



# SHENANDOAH ENERGY, INC.

## LOCATION LAYOUT FOR

OU WIH #2W-21-8-22  
SECTION 21, T8S, R22E, S.L.B.&M.

724' FNL 2083' FEL

18" CMP  
Required

FIGURE #1

Proposed Access  
Road

F-7.9'  
El. 56.1'

Sta. 3+25

Existing  
Drainage

### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.

F-5.1'

El. 58.2'

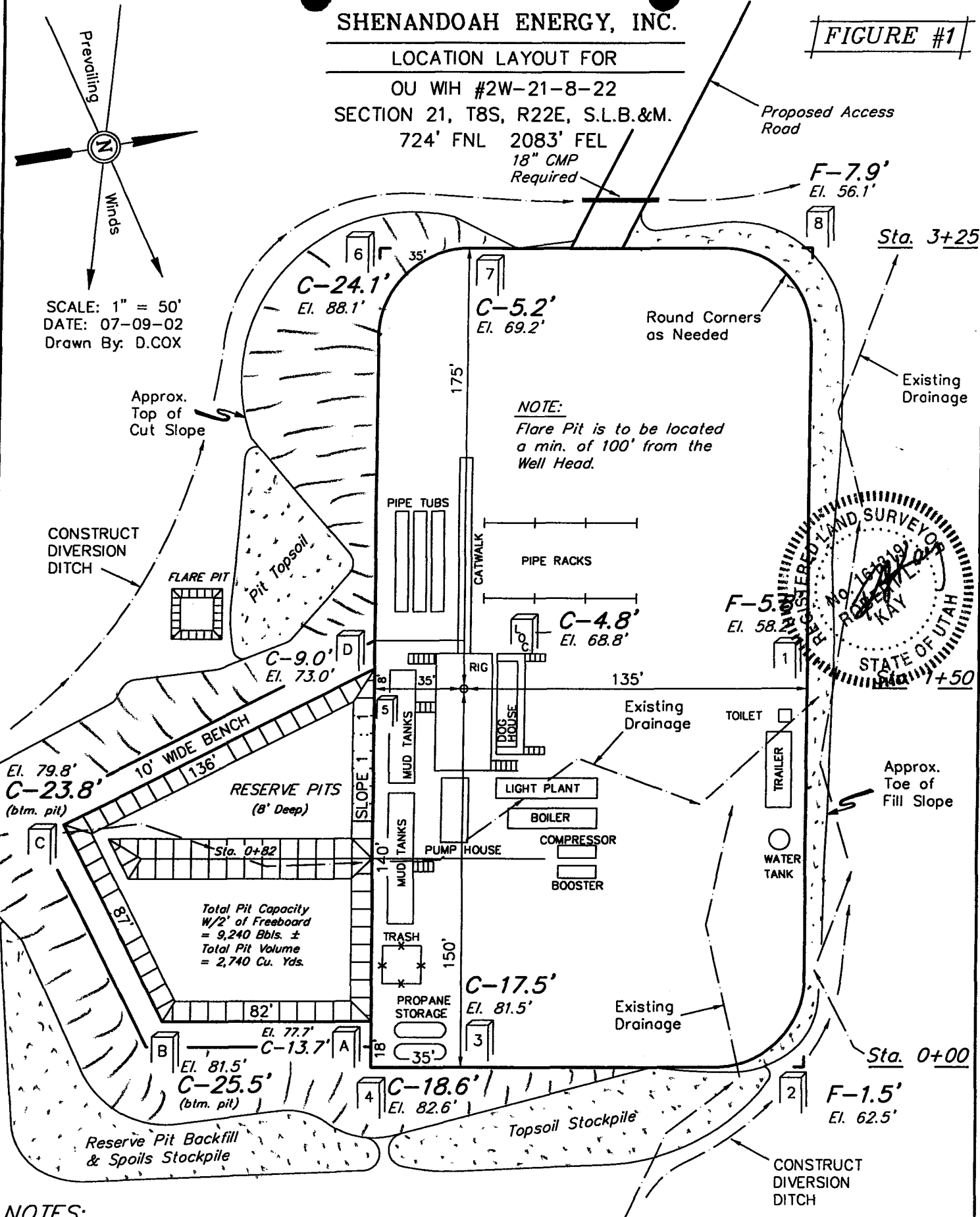
Sta. 1+50

Approx.  
Toe of  
Fill Slope

Sta. 0+00

F-1.5'  
El. 62.5'

CONSTRUCT  
DIVERSION  
DITCH



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4868.8'

FINISHED GRADE ELEV. AT LOC. STAKE = 4864.0'

UINTAH ENGINEERING & LAND SURVEYING

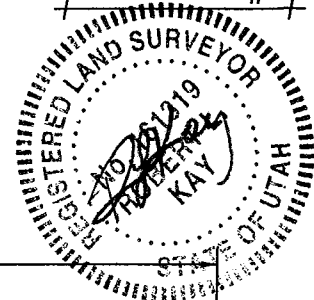
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

# SHENANDOAH ENERGY, INC.

## TYPICAL CROSS SECTIONS FOR

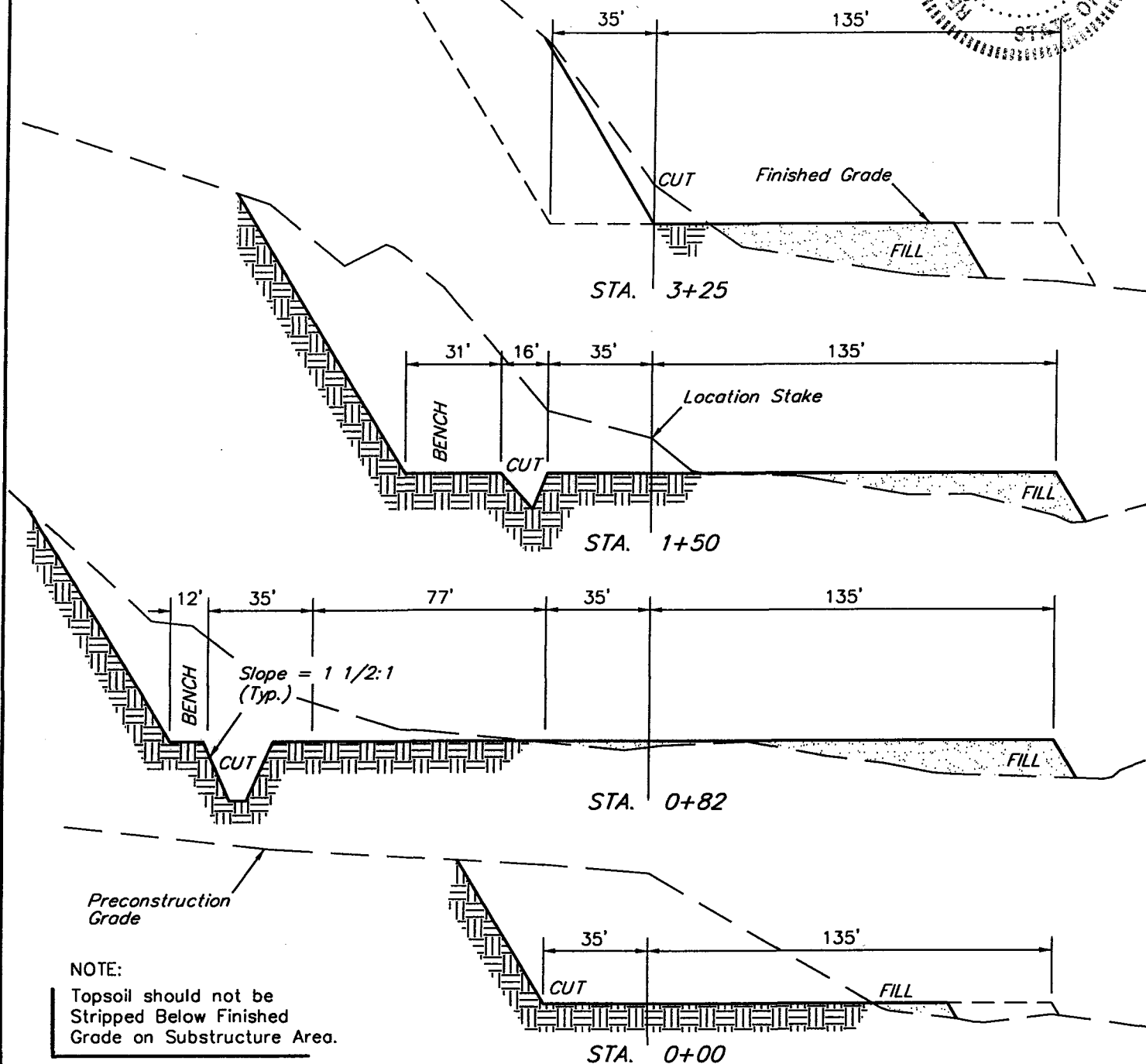
OU WIH #2W-21-8-22  
SECTION 21, T8S, R22E, S.L.B.&M.  
724' FNL 2083' FEL

FIGURE #2



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 07-09-02  
Drawn By: D.COX



### NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

### APPROXIMATE YARDAGES

#### CUT

(6") Topsoil Stripping = 1,290 Cu. Yds.  
Remaining Location = 19,150 Cu. Yds.

TOTAL CUT = 20,440 CU.YDS.

FILL = 5,740 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION

= 14,400 Cu. Yds.

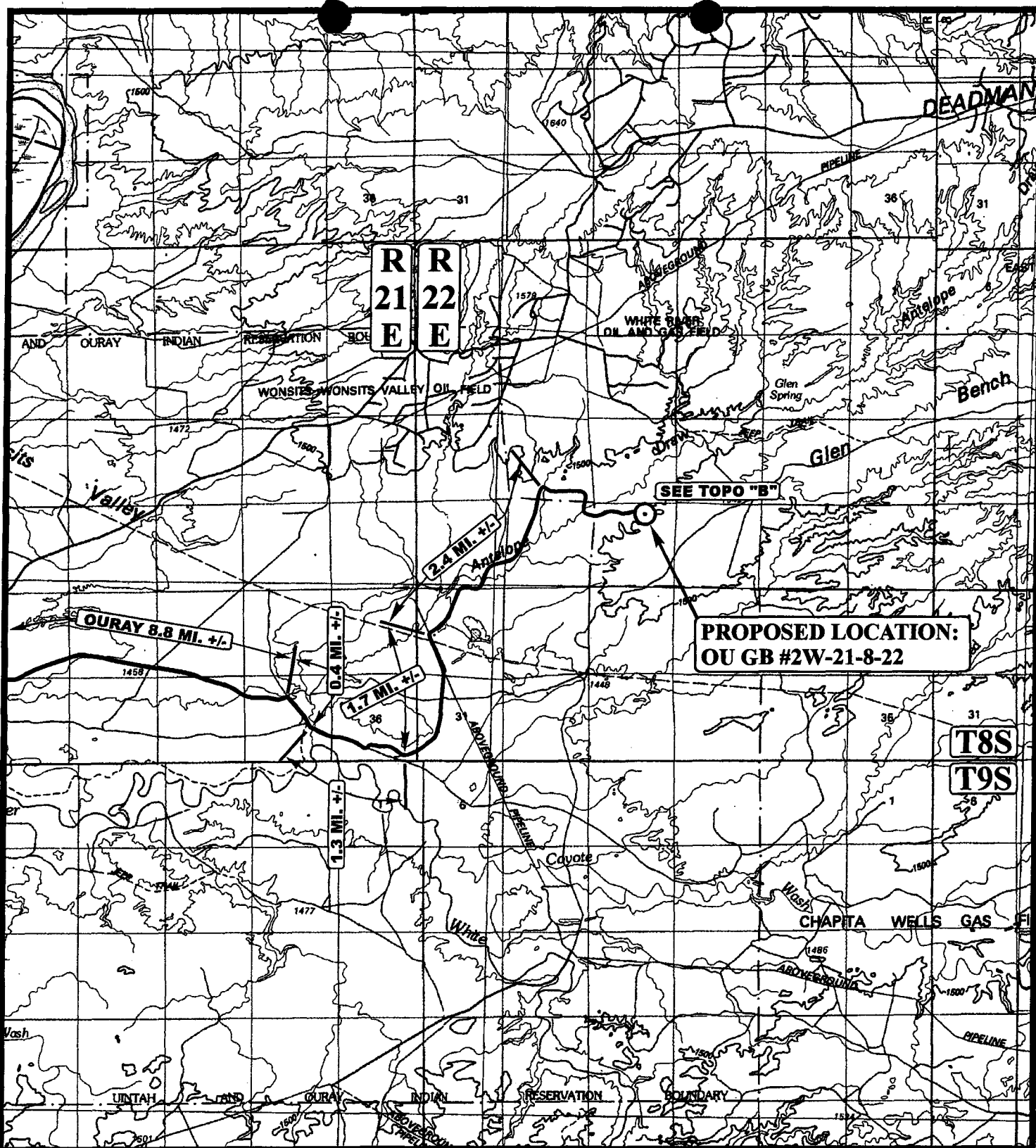
Topsoil & Pit Backfill  
(1/2 Pit Vol.)

= 2,660 Cu. Yds.

EXCESS UNBALANCE  
(After Rehabilitation)

= 11,740 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



# LEGEND:

○ PROPOSED LOCATION

SHENANDOAH ENERGY, INC.

OU WIH #2W-21-8-22

SECTION 21, T8S, R22E, S.L.B.&M.

724' FNL 2083' FEL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

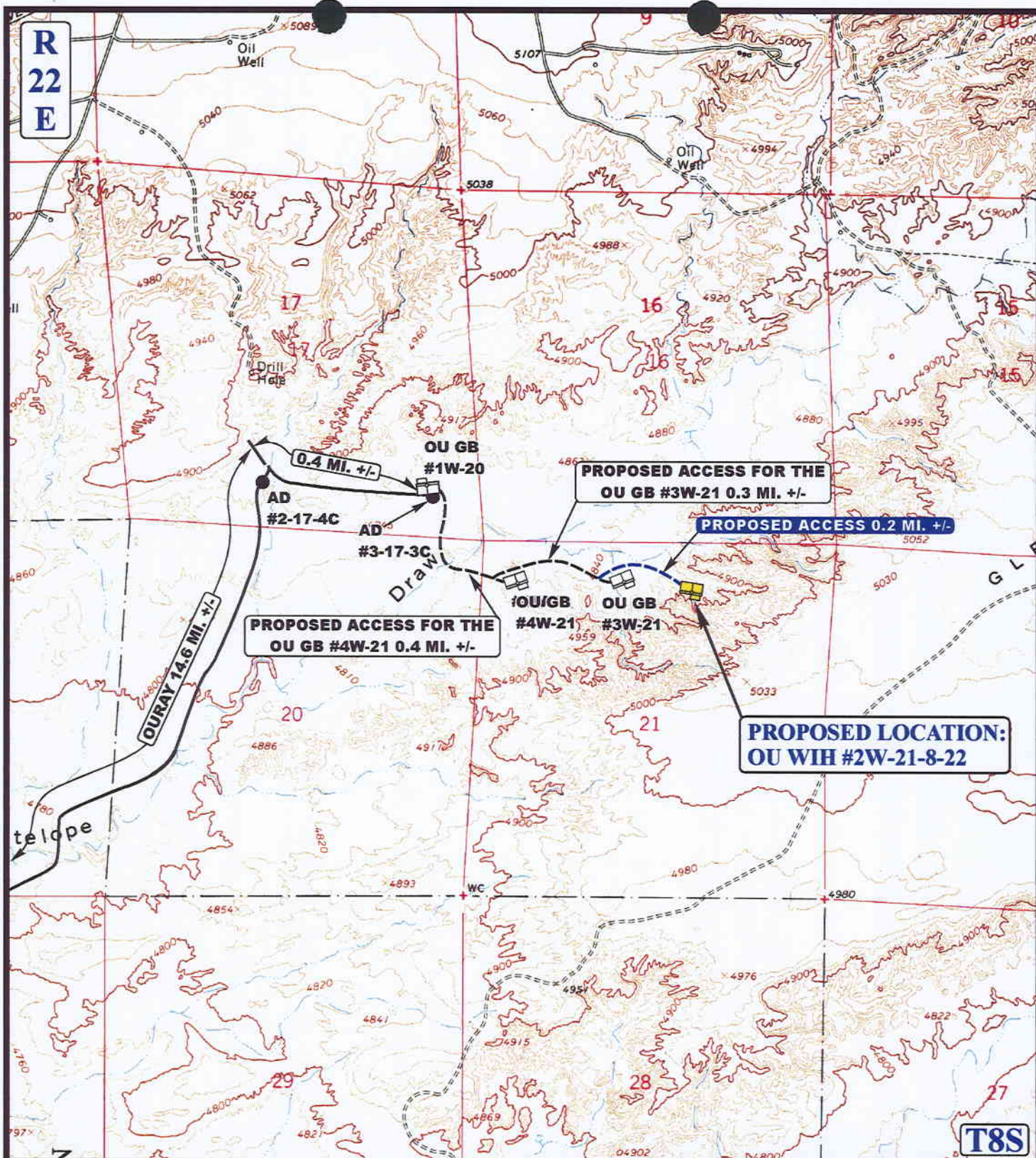
TOPOGRAPHIC  
MAP

7 8 02  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REV: 7-18-02 K.G.







# LEGEND:

EXISTING ROAD  
 PROPOSED ACCESS ROAD

## SHENANDOAH ENERGY, INC.

OU WIH #2W-21-8-22  
SECTION 21, T8S, R22E, S.L.B.&M.  
724' FNL 2083' FEL



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



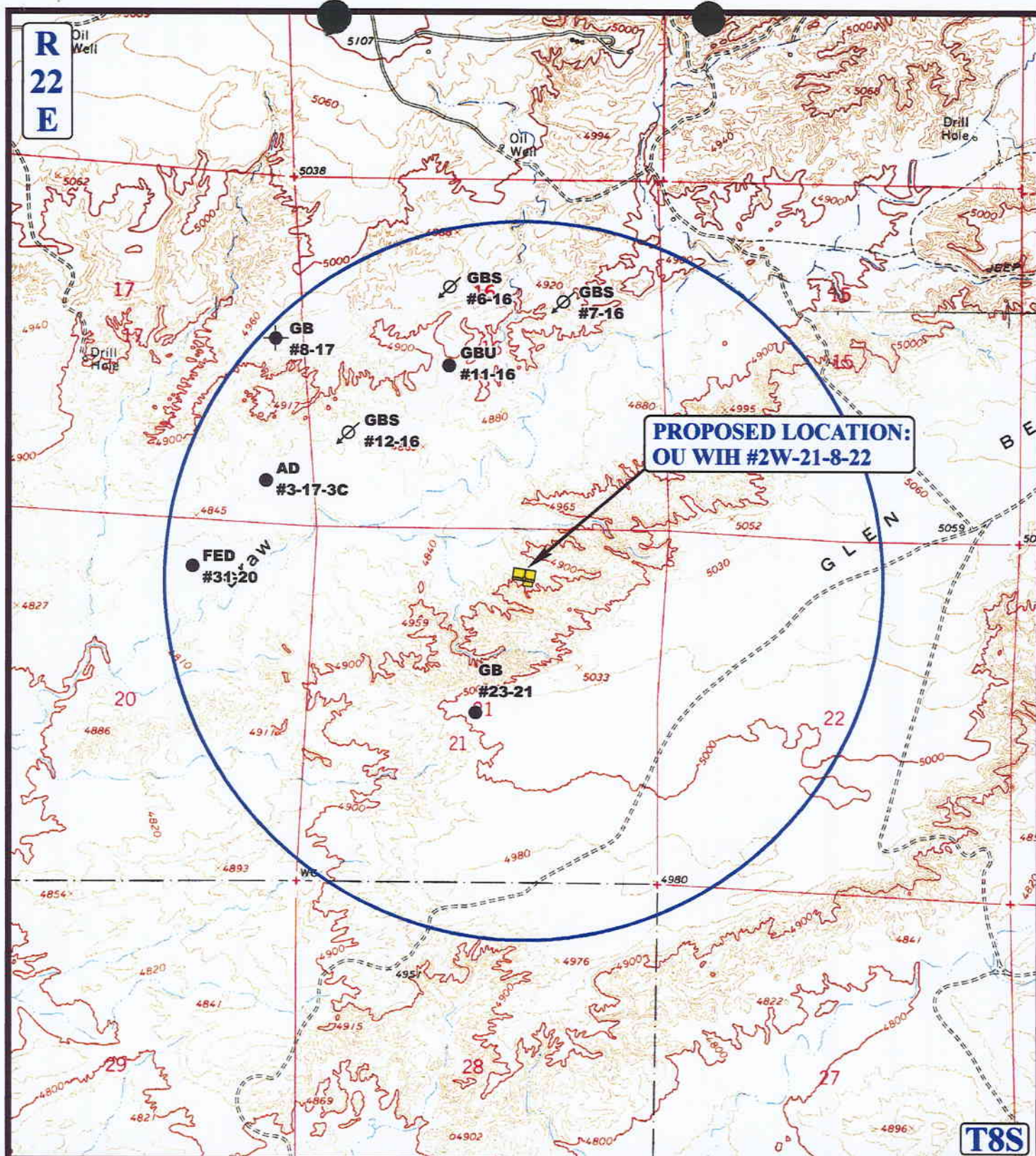
**TOPOGRAPHIC**  
**MAP**

**7 8 02**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REV: 7-18-02 K.G.

**B**  
**TOPO**





# LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊗ WATER WELLS
- ⊖ ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED

**SHENANDOAH ENERGY, INC.**

**OU WIH #2W-21-8-22**  
**SECTION 21, T8S, R22E, S.L.B.&M.**  
**724' FNL 2083' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

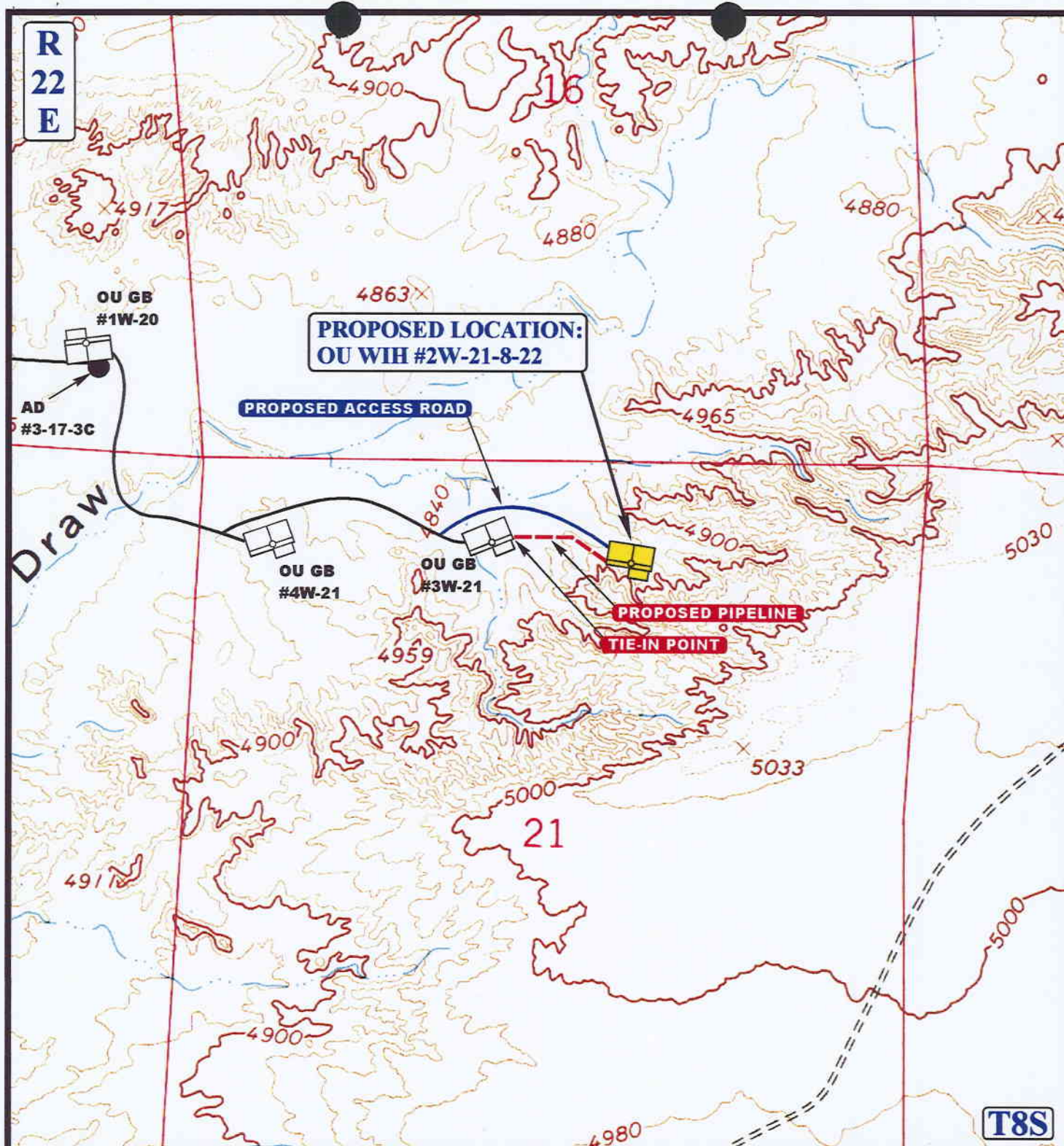
**TOPOGRAPHIC**  
**MAP**

**7 8 02**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00







**APPROXIMATE TOTAL PIPELINE DISTANCE = 700' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

**SHENANDOAH ENERGY, INC.**

**OU WIH #2W-21-8-22**  
**SECTION 21, T8S, R22E, S.L.B.&M.**  
**724' FNL 2083' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC  
MAP**

**7 8 02**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: P.M. REV: 7-18-02 K.G.

**D  
TOPO**

003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/05/2002

API NO. ASSIGNED: 43-047-34687

WELL NAME: OU WIH 2W-21-8-22

OPERATOR: SHENANDOAH ENERGY INC ( N4235 )

CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

## PROPOSED LOCATION:

NWNE 21 080S 220E

SURFACE: 0724 FNL 2083 FEL

BOTTOM: 0724 FNL 2083 FEL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-28652

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.11419

LONGITUDE: 109.44189

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. U-0969 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

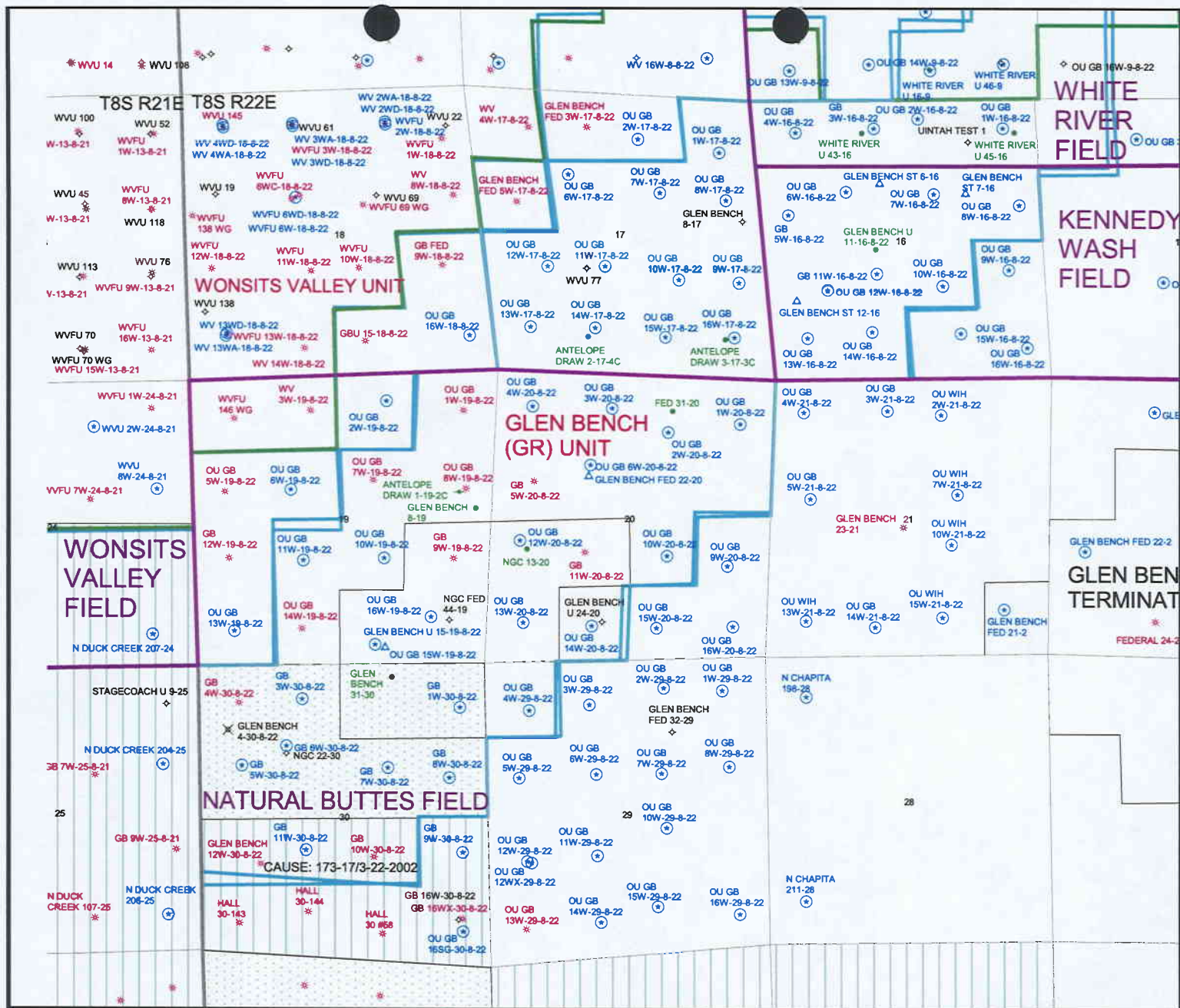
\_\_\_ R649-2-3.  
Unit \_\_\_\_\_  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
\_\_\_ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- federal approval

2- Spacing Strip





OPERATOR NAME: SHENANDOAH (N4235)

SEC: 21 T8S R22E

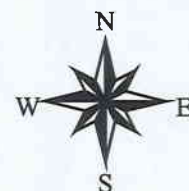
FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH SPACING: R649-3-2 GEN ST



Utah Oil Gas and Mining

Field Status		Well Status		Unit Status	
	ABANDONED		Gas Injection		EXPLORATORY
	ACTIVE		Gas Storage		GAS STORAGE
	COMBINED		Location Abandoned		NF PP OIL
	INACTIVE		Location		NF SECONDARY
	PROPOSED		Plugged		PENDING
	STORAGE		Producing Gas		PI OIL
	TERMINATED		Producing Oil		PP GAS
	Township.shp		Shut-In Gas		PP GEOTHERML
	Sections		Shut-In Oil		PP OIL
			Temporarily Abandoned		SECONDARY
			Test Well		TERMINATED
			Water Injection		
			Water Supply		
			Water Disposal		



Prepared By: D. Mason  
Date: 7-AUGUST-2002





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 8, 2002

Shenandoah Energy Inc.  
11002 E 17500 S  
Vernal, UT 84078

Re: Over and Under West Iron Horse 2W-21-8-22 Well, 724' FNL, 2083' FEL, NW NE,  
Sec. 21, T. 8 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34687.

Sincerely,

A handwritten signature in cursive script, appearing to read 'John R. Baza'.

A handwritten signature in cursive script, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

pb

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Shenandoah Energy Inc.  
Well Name & Number Over and Under West Iron Horse 2W-21-8-22  
API Number: 43-047-34687  
Lease: UTU-28652  
Location: NW NE Sec. 21 T. 8 South R. 22 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional Operator Remarks:**

Shenandoah Energy Inc. proposes to drill a well to 7625' to test the Wasatch. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Shenandoah Energy Inc. Standard Operating Practices for Wasatch Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 and 24 East.

See Onshore Order No. 1 attached

Please be advised that Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. U-0969. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.

## Revisions to Operator-Submitted EC Data for APD #13148

### Operator Submitted

Lease: UTU-28652  
Agreement: N/A  
Operator: SHENANDOAH ENERGY INC.  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323

Admin Contact: JOHN BUSCH  
OPERATIONS  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323  
  
E-Mail: jbusch@shenandoahenergy.com

Tech Contact:

Well Name: OU WIH  
Number: 2W-21-8-22  
  
Location:  
State: UT  
County: Uintah  
S/T/R: Sec 21 T8S R22E Mer SLB  
Surf Loc: NWNE 724FNL 2083FEL  
  
Field/Pool: NATURAL BUTTES

Bond: U-0969

### BLM Revised (AFMSS)

UTU28652

SHENANDOAH ENERGY INC  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078-8526  
Ph: 435.781.4300  
Fx: 435.781.4329

JOHN BUSCH  
OPERATIONS  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078-8526  
Ph: 435.781.4341  
Fx: 435.781.4323  
  
E-Mail: john.busch@questar.com

OU WIH  
2W-21-8-22

UT  
UINTAH  
Sec 21 T8S R22E Mer SLB  
NWNE 724FNL 2083FEL

NATURAL BUTTES

UT1237

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.

Well Name & Number: OU WIH 2W-21-8-22

API Number: 43-047-34687

Lease Number: UTU – 28652

Location: NWNE Sec. 21 TWN: 08S RNG: 22E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease that would entitle the applicant to conduct operations thereon.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 2,466$  ft.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

A paleontologist shall be present during the construction of the location to ensure that any fossils uncovered by the dirt work are collected and preserved.

No drilling or construction activities will be allowed during the ferruginous hawk reproductive season of March 1 to July 15. If construction is proposed during that time frame, a qualified biologist may survey the nest for activity.

A plastic liner shall be used in the reserve pit. Felt will not be required unless the reserve pit is rocky.

The diversion ditch shown on the south side of the location layout shall not be constructed.

Cutting into the hillside shall be avoided as much as possible by rounding the corners.

Corner C of the reserve pit shall be rounded to minimize disturbance of the drainage. The pit shall be deepened to make up for the lost volume.

Two 18" or one 24" culvert shall be installed in the access.

A water containment dam shall be constructed in the drainage to the east, which will help divert the water around the north side of the location.

A second water containment dam shall be installed in the drainage to the southeast after the reserve pit is reclaimed. A diversion ditch shall be constructed to divert overflow from that dam around the south side of the location and through the culverts in the access road.

Four to six inches of topsoil shall be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil respread, then the area shall be seed in the same manner as the location topsoil.

Once the location is plugged and abandoned, they shall be re-contoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding can be done by broadcasting the seed and walking it in with a dozer. Seeding shall take place immediately after the dirt work is completed.

The seed mix for this location shall be:

Fourwing saltbush	<i>Atriplex canescens</i>	3 lbs./acre
Gardner saltbush	<i>Atriplex gardneri</i>	3 lbs./acre
Indian Ricegrass	<i>Oryzopsis hymenoides</i>	3 lbs./acre
Globemallow (scarlet or munroe)	<i>Sphaeralcea coccinea</i> or <i>munroana</i>	3 lbs./acre

-All poundages are in pure live seed.

Reseeding may be required if first seeding is not successful.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

005

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil

Gas

☐

Well

☒

Well

☐

Other

2. Name of Operator

QEP UTAH BASIN, INC. SHERAN DOAH ENERGY INC

3. Address and Telephone No.

11002 E. 17500 S. VERNAL, UT 84078-8526

Contact: dahn.caldwell@questar.com

435.781.4342 Fax 435.781.4357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE, Sec 21, T8S, R22E  
724' FNL, 2083' FEL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-28652

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

OU WIH 2W 21-8-22

9. API Well No.

43-047-34687

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UTAH COUNTY, UTAH

17 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Spud

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

This well was spud on 7/02/03. Drill 12-1/4" hole to 479' KB. Ran 11 jts 9-5/8" csg to 469' KB.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

RECEIVED

JUL 14 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
Signed

Title

Authorized Representative

Date

7/10/03

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

ENTITY ACTION FORM - FORM 6

OPERATOR:  
ADDRESS:

*Shenandoah*  
QEP Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, Utah 84078-8526

OPERATOR ACCT. No. N-4235

(435)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
<i>B</i>	<i>99999</i>	<i>13827</i>	43-047-34687	OU WIH 2W 21 8 22	NWNE	21	8S	22E	Uintah	7/02/03	<i>7/17/03</i>

WELL 1 COMMENTS:

CONFIDENTIAL

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

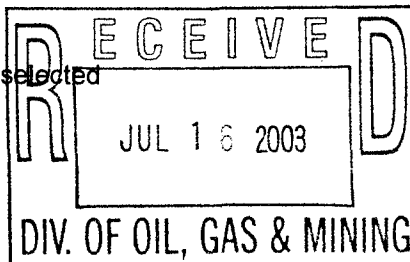
WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)



*John F Caldwell*  
Signature

Clerk Specialist 7/10/03  
Title Date

Phone No. (435) 781-4342

CONFIDENTIAL



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3106  
(UT-924)

July 21, 2003

### Memorandum

To: Vernal Field Office  
From: **ACTING** Chief, Branch of Minerals Adjudication  
Subject: Name Change Approval

Attached is an approved copy of the name change from BLM-Eastern States, which is recognized by the Utah State Office. We have updated our records to reflect:

The name change from Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated is effective July 23, 1999. The BLM Bond Number is ESB000024.

*Mary Higgins*  
Mary Higgins  
Acting Chief, Branch of  
Minerals Adjudication

### Enclosure

1. Eastern States Letter
2. List of leases

cc: MMS, James Sykes, PO Box 25165, M/S 357 B1, Denver CO 80225  
State of Utah, DOGM, Earlene Russell (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

RECEIVED

JUL 23 2003

DIV. OF OIL, GAS & MINING

Exhibit of Leases

UTSL-065342	UTU-0825	UTU-65472	UTU-74971
UTSL-065429	UTU-0826	UTU-65632	UTU-74972
UTSL-066409-A	UTU-0827	UTU-67844	UTU-75079
UTSL-066446	UTU-0828	UTU-68217	UTU-75080
UTSL-066446-A	UTU-0829	UTU-68218	UTU-75081
UTSL-066446-B	UTU-0830	UTU-68219	UTU-75082
UTSL-066791	UTU-0933	UTU-68220	UTU-75083
UTSL-069330	UTU-0971	UTU-68387	UTU-75084
UTSL-070932-A	UTU-0971-A	UTU-68620	UTU-75085
UTSL-071745	UTU-01089	UTU-69001	UTU-75086
UTSL-071963	UTU-02025	UTU-70853	UTU-75087
UTSL-071964	UTU-02030	UTU-70854	UTU-75088
UTSL-071965	UTU-02060	UTU-70855	UTU-75102
	UTU-02148	UTU-70856	UTU-75103
UTU-046	UTU-02149	UTU-71416	UTU-75116
UTU-055	UTU-02510-A	UTU-72066	UTU-75243
UTU-057	UTU-09613	UTU-72109	UTU-75503
UTU-058	UTU-09617	UTU-72118	UTU-75678
UTU-059	UTU-09809	UTU-72598	UTU-75684
UTU-080	UTU-011225-B	UTU-72634	UTU-76278
UTU-081	UTU-011226	UTU-72649	UTU-75760
UTU-082	UTU-011226-B	UTU-73182	UTU-75939
UTU-093	UTU-012457	UTU-73443	UTU-76039
UTU-01116	UTU-012457-A	UTU-73456	UTU-76482
UTU-0558	UTU-018260-A	UTU-73680	UTU-76507
UTU-0559	UTU-022158	UTU-73681	UTU-76508
UTU-0560	UTU-025960	UTU-73684	UTU-76721
UTU-0561	UTU-025962	UTU-73686	UTU-76835
UTU-0562	UTU-025963	UTU-73687	UTU-77063
UTU-0566	UTU-029649	UTU-73698	UTU-77301
UTU-0567	UTU-65471	UTU-73699	UTU-77308
UTU-0568	UTU-65472	UTU-73700	UTU-78021
UTU-0569	UTU-103144	UTU-73710	UTU-78028
UTU-0570	UTU-140740	UTU-73914	UTU-78029
UTU-0571	UTU-14219	UTU-73917	UTU-78214
UTU-0572	UTU-14639	UTU-74401	UTU-78215
UTU-0629	UTU-16551	UTU-74402	UTU-78216
UTU-0802	UTU-28652	UTU-74407	UTU-80636
UTU-0803	UTU-42050	UTU-74408	UTU-80637
UTU0804	UTU-43915	UTU-74419	UTU-80638
UTU0805	UTU-43916	UTU-74493	UTU-80639
UTU0806	UTU-43917	UTU-74494	UTU-80640
UTU0807	UTU-43918	UTU-74495	
UTU0809	UTU-56947	UTU-74496	
UTU0810	UTU-65276	UTU-74836	
UTU-0823	UTU-65404	UTU-74842	
UTU-0824	UTU-65471	UTU-74968	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas  
☐ Well ☒ Well ☐ Other

CONFIDENTIAL

2. Name of Operator

SHENANDOAH ENERGY INC

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4341

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE 724 FSL, 2083 FEL, SECTION 21, T8S, R22E

5. Lease Designation and Serial No.

UTU28652

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

OU WIH 2W-21-8-22

9. API Well No.

43-047-34687

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other TWISTED OFF

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
Shenandoah Energy Inc. (QEP Uinta Basin Inc.) twisted off @ 6022' couldn't retrieve fish put cement plug from 6022' to 5559'. Started sidetrack @ 5635'.

Fish Top - 6022'  
Cement Top - 5559'  
Sidetrack - 5635'

Kickoff plug @ 6022' used 260sx Type G with .3% CFR. 3-1% HR-5 slurry WT - 17.0, JOP complete at 0743.

RECEIVED

AUG 08 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed Raleen Searle

Title REGULATORY AFFAIRS ANALYST

Date 8/5/03

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side).

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

008

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐

2. NAME OF OPERATOR

~~QEP Uinta Basin, Inc.~~

SHENANDOAH ENERGY INC.

3. ADDRESS OF OPERATOR

11002 E. 17500 S. VERNAL, UT 84078-8526

435-781-4342 - dahn.caldwell@questar.com

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface NWNE, 724' FNL, 2083' FEL, Sec 21 T8S, R22E

At top rod. interval reported below NWNE, 724' FNL, 2083' FEL, Sec 21 T8S, R22E

At total depth NWNE, 724' FNL, 2083' FEL, Sec 21 T8S, R22E

14. PERMIT NO.

43-047-34687

DATE ISSUED

12. COUNTY OR PARISH

Uintah

13. STATE

UT

15. DATE SPUDDED

7/02/03

16. DATE T.D. REACHED

7/31/03

17. DATE COMPL. (Ready to prod.)

P&A - 8/2/03

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7475'

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

NONE - WELL DRILLED & PLUGGED AS DRY HOLE.

✓ HRI, SD/OSN - Rec 8-6-03

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>9.625</u>	<u>36.0</u>	<u>479'</u>	<u>12-1/4</u>	<u>175 sxs</u>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>N/A</u>							

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>P&amp;A 8/02/03</u>	<u>P&amp;A</u>	<u>P&amp;A</u>
DATE OF TEST	HOURS TESTED	CHOKE SIZE
<u>N/A</u>		
PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF
WATER—BBL	GAS—OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
OIL—BBL	GAS—MCF	WATER—BBL
OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

N/A

35. LIST OF ATTACHMENTS

Plug & Abandon Info on Page 2

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jim Simpson (WIS is Down - manual Copy)

TITLE

Completion Manager

DATE

8/12/03

(See Instructions and Spaces for Additional Data on Reverse Side)

CONFIDENTIAL

AUG 27 2003

DIV OF OIL, GAS & MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Wasatch	5734'	7475'	<p>CONFIDENTIAL</p> <p>ADDITIONAL REMARKS - (Including plugging procedure): Confidential - Tight Hole - Do Not Release Well Info without permission From QEP - Uinta Basin, Inc. 8/1/03 - 8/2/03 - P&amp;A Cement Plug #1 @ 5826' - 5628'. Circ &amp; WOC. Trip in, Tag cmt @ 4885'. Cement Plug #2 @ 2951' - 2751' w/ 130 sxs cmt. Cement Plug #3 @ 2511' to 2311' w/ 115 sxs cmt. Cement plug #4 @ 558' - 358' w/ 86 sxs cmt. 300. WOC Trip in, tag cmt @ 438', should have been around 350'. Cement Plug #5 @ 407' - 307' w/ 20 sxs cmt. Cement Plug #6 @ 60' to surface w/ 20 sxs cmt. All Plugs OK'd by B.L.M. Rep 's Jamie Sparger, Floyd Mitchell &amp; Cliff Johnson on 8/2/03. Cut off Well Head on 8/12/03. BLM was notified.</p>	Green River Mahogany G1 Lime Wasatch TD	2414' 3284' N/A 5734' 7475'		

38. GEOLOGIC MARKERS

## SEI (N4235) to QEP (N2460)

well name	Sec	T	R	api DOGM	Entity	type	stat	
WV 14W-4-8-21	04	080S	210E	4304734040		Federal	GW	APD C
WV 16W-4-8-21	04	080S	210E	4304734041		Federal	GW	APD C
WV 5W-36-7-21	36	070S	210E	4304734099	13807	State	GW	DRL C
WV 16W-31-7-22	31	070S	220E	4304734257		Federal	GW	APD C
RED WASH 16W-19-7-22	19	070S	220E	4304734258		Federal	GW	APD C
WV 9W-16-7-21	16	070S	210E	4304734324		State	GW	APD
GH 6W-20-8-21	20	080S	210E	4304734331		Federal	GW	APD C
WV 10W-23-8-21	23	080S	210E	4304734341	13766	Federal	GW	PA C
WV 11W-23-8-21	23	080S	210E	4304734342		Federal	GW	APD C
WV 13W-23-8-21	23	080S	210E	4304734344		Federal	GW	APD C
WV 14W-23-8-21	23	080S	210E	4304734345		Federal	GW	APD C
WV 15W-23-8-21	23	080S	210E	4304734346		Federal	GW	APD C
WV 7W-31-7-22	31	070S	220E	4304734379		Federal	GW	APD C
WV 9W-30-7-22	30	070S	220E	4304734381		Federal	GW	APD C
WV 10W-25-7-21	25	070S	210E	4304734382		Federal	GW	APD C
WV 10W-26-7-21	26	070S	210E	4304734383		Federal	GW	APD C
WV 14W-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	DRL C
WV 15W-27-7-21	27	070S	210E	4304734385		Federal	GW	APD C
GH 8W-20-8-21	20	080S	210E	4304734393		Federal	GW	APD C
SU PURDY 3W-30-7-22	30	070S	220E	4304734394		Federal	GW	APD C
STIRRUP UNIT 10G-5-8-22	05	080S	220E	4304734396		Federal	OW	APD C
WV 10W-35-7-21	35	070S	210E	4304734397		Federal	GW	APD C
WV 16G-6-8-22	06	080S	220E	4304734404		Federal	OW	APD C
SU 4W-26-7-21	26	070S	210E	4304734408		Federal	GW	APD C
STIRRUP U 12W-6-8-22	06	080S	220E	4304734449		Federal	GW	APD C
STIRRUP U 10W-6-8-22	06	080S	220E	4304734451		Federal	GW	APD C
STIRRUP U 8W-5-8-22	05	080S	220E	4304734453		Federal	GW	APD C
STIRRUP U 6W-5-8-22	05	080S	220E	4304734454		Federal	GW	APD C
WV EXT 10W-17-8-21	17	080S	210E	4304734561	13744	Federal	GW	P C
STIRRUP U 7G-5-8-22	05	080S	220E	4304734609		Federal	OW	APD C
STIRRUP U 9G-5-8-22	05	080S	220E	4304734610		Federal	OW	APD C
STIRRUP U 9G-6-8-22	06	080S	220E	4304734611		Federal	OW	APD C
OU GB 10W-16-8-22	16	080S	220E	4304734616		State	GW	APD C
OU GB 14W-16-8-22	16	080S	220E	4304734619		State	GW	APD C
OU GB 16W-20-8-22	20	080S	220E	4304734633		Federal	GW	APD C
OU WIH 15W-21-8-22	21	080S	220E	4304734634		Federal	GW	APD C
OU GB 8W-17-8-22	17	080S	220E	4304734647		Federal	GW	APD C
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	DRL C
OU GB 16W-16-8-22	16	080S	220E	4304734655	13815	State	GW	DRL C
OU GB 1W-16-8-22	16	080S	220E	4304734656		State	GW	APD C
OU GB 8W-16-8-22	16	080S	220E	4304734660	13769	State	GW	DRL C
OU GB 3W-15-8-22	15	080S	220E	4304734677		Federal	GW	APD C
OU GB 4W-21-8-22	21	080S	220E	4304734685	13772	Federal	GW	P C
OU WIH 2W-21-8-22	21	080S	220E	4304734687	13837	Federal	GW	PA C
OU GB 9W-16-8-22	16	080S	220E	4304734692		State	GW	APD C
OU WIH 1W-21-8-22	21	080S	220E	4304734693		Federal	GW	APD C
OU GB 7G-19-8-22	19	080S	220E	4304734694		Federal	OW	APD C
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P C
OU GB 8W-20-8-22	20	080S	220E	4304734706		Federal	GW	APD C
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	DRL C
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	DRL C
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	DRL C
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	DRL C
OU SG 12W-15-8-22	15	080S	220E	4304734714	13828	Federal	GW	DRL C
OU SG 5W-15-8-22	15	080S	220E	4304734715		Federal	GW	APD C
OU SG 6W-15-8-22	15	080S	220E	4304734716	13865	Federal	GW	PA C
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	DRL C



## SEI (N4235) to QEP (N2460)

well_name	Sec	T	R	api DOGM	Entity		type	stat	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	C
OU SG 1W-15-8-22	15	080S	220E	4304734720		Federal	GW	APD	C
OU SG 2W-15-8-22	15	080S	220E	4304734721		Federal	GW	APD	C
OU SG 7W-15-8-22	15	080S	220E	4304734722		Federal	GW	APD	C
GYP SUM HILLS 13HG-17-8-22	17	080S	210E	4304734723	13765	Federal	GW	DRL	C
OU GB 14SG-29-8-22	29	080S	220E	4304734743		Federal	GW	APD	C
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	DRL	C
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	C
OU GB 6W-21-8-22	21	080S	220E	4304734755	13751	Federal	GW	P	C
OU SG 10W-10-8-22	10	080S	220E	4304734764		Federal	GW	DRL	C
OU SG 15W-10-8-22	10	080S	220E	4304734765	13849	Federal	GW	DRL	C
OU GB 14W-10-8-22	10	080S	220E	4304734768	13781	Federal	GW	P	C
OU SG 16W-10-8-22	10	080S	220E	4304734784	13777	Federal	GW	P	C
OU GB 15G-16-8-22	16	080S	220E	4304734829		State	OW	DRL	
BASER WASH 6W-7-7-22	07	070S	220E	4304734837		Federal	GW	APD	C
GB 5G-15-8-22	15	080S	220E	4304734876		Federal	OW	APD	C
GB 4G-21-8-22	21	080S	220E	4304734882		Federal	OW	APD	C
W IRON HORSE 2W-28-8-22	28	080S	220E	4304734883		Federal	GW	APD	C
OU GB 8WX-29-8-22	29	080S	220E	4304734884		Federal	GW	APD	C
GB 7W-36-8-21	36	080S	210E	4304734893		State	GW	APD	
GB 3W-36-8-21	36	080S	210E	4304734894	13791	State	GW	DRL	
NC 8M-32-8-22	32	080S	220E	4304734897		State	GW	APD	
NC 3M-32-8-22	32	080S	220E	4304734899		State	GW	APD	
N DUCK CREEK 3M-27-8-22	27	080S	210E	4304734900		Federal	GW	APD	C
N DUCK CREEK 9M-22-8-22	22	080S	210E	4304734901		Federal	GW	APD	C
N DUCK CREEK 11M-22-8-22	22	080S	210E	4304734902		Federal	GW	APD	C
NDC 10W-25-8-21	25	080S	210E	4304734923		Federal	GW	APD	C
GB 5W-36-8-21	36	080S	210E	4304734925	13808	State	GW	DRL	
GB 4W-36-8-21	36	080S	210E	4304734926		State	GW	APD	
WV EXT 1W-17-8-21	17	080S	210E	4304734927		Federal	GW	APD	C
WV EXT 8W-17-8-21	17	080S	210E	4304734929	13792	Federal	GW	DRL	C
NDC 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	DRL	C
NDC 9M-27-8-21	27	080S	210E	4304734956		Federal	GW	APD	C
NDC 1M-27-8-21	27	080S	210E	4304734957		Federal	GW	APD	C
NDC 15M-28-8-21	28	080S	210E	4304734958		Federal	GW	APD	C
NC 11M-32-8-22	32	080S	220E	4304735040		State	GW	NEW	
RED WASH U 34-27C	27	070S	240E	4304735045		Federal	GW	APD	C
WRU EIH 10W-35-8-22	35	080S	220E	4304735046	13544	Federal	GW	DRL	C
WRU EIH 9W-26-8-22	26	080S	220E	4304735047		Federal	GW	APD	C
WRU EIH 15W-26-8-22	26	080S	220E	4304735048		Federal	GW	APD	C
WRU EIH 1W-35-8-22	35	080S	220E	4304735049		Federal	GW	APD	C
WRU EIH 9W-35-8-22	35	080S	220E	4304735050		Federal	GW	APD	C
WRU EIH 7W-35-8-22	35	080S	220E	4304735051		Federal	GW	APD	C
WRU EIH 2W-35-8-22	35	080S	220E	4304735052		Federal	GW	APD	C

## OPERATOR CHANGE WORKSHEET

009

## ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

2/1/2003

## FROM: (Old Operator):

N4235-Shenandoah Energy Inc  
11002 E 17500 S  
Vernal, UT 84078-8526

Phone: (435) 781-4341

## TO: ( New Operator):

N2460-QEP Uinta Basin Inc  
11002 E 17500 S  
Vernal, UT 84078-8526

Phone: (435) 781-4341

CA No.

Unit:

## WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
OU GB 3W-15-8-22	15	080S	220E	4304734677		Federal	GW	APD	C
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	DRL	C
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	DRL	C
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	DRL	C
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	DRL	C
OU SG 12W-15-8-22	15	080S	220E	4304734714	13828	Federal	GW	DRL	C
OU SG 5W-15-8-22	15	080S	220E	4304734715		Federal	GW	APD	C
OU SG 6W-15-8-22	15	080S	220E	4304734716	13865	Federal	GW	PA	C
OU GB 9W-16-8-22	16	080S	220E	4304734692		State	GW	APD	C
OU GB 7G-19-8-22	19	080S	220E	4304734694		Federal	OW	APD	C
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	C
OU GB 8W-20-8-22	20	080S	220E	4304734706		Federal	GW	APD	C
OU GB 4W-21-8-22	21	080S	220E	4304734685	13772	Federal	GW	P	C
OU WIH 2W-21-8-22	21	080S	220E	4304734687	13837	Federal	GW	PA	C
OU WIH 1W-21-8-22	21	080S	220E	4304734693		Federal	GW	APD	C

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/20032. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/20033. The new company was checked on the Department of Commerce, Division of Corporations Database on: 6/19/20034. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151

5. If NO, the operator was contacted contacted on: \_\_\_\_\_

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 9/11/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/11/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: 965-003-032

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: ESB000024

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 799446

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**